



28 Mar 1952

## The Missouri Miner, March 28, 1952

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# THE MISSOURI MINER

Missouri School of Mines & Metallurgy

VOLUME 38

ROLLA, MO., FRIDAY, MARCH 28, 1952

NUMBER 21

## COMPETENT INSTRUCTOR MOST DESIRED, SURVEY OF STUDENTS PROVES

Philadelphia, Pa. (I.P.) - Competence in a teacher is a more important requirement than such attributes as attractive personal traits, good control of class, or friendliness and understanding. This was indicated in an informal survey conducted recently by Dr. James D. Page, Temple University psychology professor, in his mental hygiene class.

Discussing the general characteristics of well-liked teachers, Dr. Page outlined four categories and asked his students to rate them in declining order of importance.

"Competent and stimulating as an instructor," received most first-place votes from members of Dr. Page's class. This description, it was explained, means the instructor is helpful, presents assignments clearly, is interesting, creates a desire to work, knows the subject well and knows how to "put it across," is enthusiastic and interested in teaching, and invites discussion. This quality was rated first by 33 students, second by 15, third by two.

## Cornfeds Gun During National Quiz Week

Scraping together our meager supply of No-Doz tablets, we staunchly face a week of mid-semester tests with smiles on our faces, songs in our hearts, and crib notes in our pockets.

Jim Knearew took office as president last week and has Gene Getson as his vice-president. Richard Holland was elected recording secretary. New Corresponding secretary is Ron Watson; historian is George Bloess. Treasurer and assistant treasurer are Al Scherner and John Averill. The censor's job is now held by Bud Hopper; John "Nick" Govatos is sergeant-at-arms; and Earl Dill is usher. Jim Anderson and Dave Nothstine were appointed house manager and steward respectively.

Earl Dill finally quit running and has let Jeanie catch him. Speaking as a married man, he has nothing to say.

No casualties have been reported that can be traced directly to St. Pats. However, George Bloess suffered bruises and lacerations from fighting off the mobs of women (as usual) and trying to hold on to his pin at the same time.

The cobwebs have been dusted off the volleyball and we entertain hopes of a successful season. Even "Grandpa" Mel Hockenbury got out and showed us how they used to play volleyball before the era of commercialized sports.

## Miners Challenge Rolla In Red Cross Blood Drive

The citizens of Rolla are being challenged by the students of the Missouri School of Mines in the current Blood campaign taking place in Rolla. The School of Mines Student Council is sponsoring this challenge which will be a friendly contest to determine whether the eligible students on the School of Mines campus can donate more pints of blood than the entire Rolla populace. A poster will be erected on the campus urging the students to give blood, and it also will show graphically the number of pints of blood the students have donated in comparison to the number which the citizens of Rolla have donated, so that the winner of this blood contest can be readily be seen.

The American Red Cross will have their representatives at the Episcopal church of 10th and Main Streets April 1, from 1:00 to 4:00 p.m., in the afternoon and from 7:00 to 9:00 p.m. in the evening, and April 2, from 10:00 to 12 noon in the morning and from 2:00 to 6:00 p.m. in the afternoon.

## U. of Cal. Hopes to Finish New Buildings

RIVERSIDE, CALIF., (I.P.) - Applications for steel and other critical materials for two of the five essential buildings of the new College of Letters and Sciences at the University of California have gone to Washington for approval, reports Dr. Gordon S. Watkins, provost.

Preparations of material requests for the remaining three buildings also are nearing completion, he said, and he is optimistic that allocation can be obtained in time to begin construction in the second quarter of 1952.

Applications now awaiting action by the U. S. Office of Education in Washington cover the physical sciences building, to include chemistry, physics, geology and mathematics; and the social sciences-humanities building, to include government, economics, psychology, history, geography, ancient and modern languages, and English.

Applications are being prepared on the library, to serve both the new College of Letters and Sciences and the Citrus Experiment Station; the biological sciences building, to house two divisions of the citrus station as well as the zoology, botany, physiology and bacteriology departments of the new college; and the gymnasium, to house not only physical education programs for both men and women but personnel of the Reserve Officers Training Corps.

The University already has applied for both infantry and artillery R.O.T.C. units for the Riverside campus. Provost Watkins noted that "The Regents already have approved a budget for the Riverside campus that will include not only significant developments for the citrus station but will provide funds to bring additional organizing personnel to the College of Letters and Sciences."

### Warning Notice

The E. I. T. examination for our May and January graduating seniors will be held on the M.S.M. Campus on Saturday, April 26. However, the Registration Board insists that applications for this examination with the \$5.00 enrollment fee be mailed from here not later than Wednesday, April 9. More details will appear in an early issue of the MINER but all seniors planning to take the E. I. T. exam should bear in mind this deadline of Wednesday, April 9.

## Mining Dept. Playing Important Part in Electrocarbonization of Coal Process

### Kappa Sig's Drop Two Pins; Net Two Pledges

It's spring again, and just like the swallows back to Capistrano, it's the Kappa Sig's back to the Miner. Even the beavers have come out of hibernation and while we're on the subject, we might mention that spring seems to be the mating season for this amphibious rodent. Chuck Anderson, still weak from his long winter's sleep, dropped his pin to Miss Angela Koehler of St. Louis. Likewise for Bill "Not for my own brother such a good deal" Schlosser. The lucky lass is Miss Carol Carnaghi of Bellville, Ill. Welcome to the select circle, men!

Bill Gardland and Bob Catron, both transfer students from St. Louis University, have added their names to the pledge roster. Congratulations, boys.

With those old pro's Bob Schaefer and Chuck Christian back, and a strong supporting squad, the volleyball team is showing fine form. Two practice sessions have convinced the rail birds that Kappa Sigma will be near the top this year.

The "O' White House" on State Street is virtually deserted on weekends. Come Friday night the Texas Special takes on its crew and heads for St. Louis, and all points North. Barring Breakdowns, Col. Gilbo guarantees a date for all those who like to live dangerously.

There may be a new intramural sport added next St. Pat's. It's called four-wheel golf and the rules state that it must be played at midnight. All prospective players please contact "Flash". Phone 283.

We leave you with the mystery question of the month. Where was Ted "The Mercury Kid" Ruppert, 'til Four o'clock in the morning?

## Profs Reign Terror As Theta Kap Grade Point Hits the Deck

The troops weren't too well braced for the onslaught of the mid-semester quiz attack after letting down the guard for a pleasant St. Pat's celebration, so a few suffered serious injuries and may have to be hospitalized.

It all started Monday when the usual sporadic shotgun fire died down and the men stepped out for a bit of fresh air. Then all hell broke loose as the enemy's heavy artillery let go with one of the smelliest gas bombardments ever seen on this campus. Jim Ludewig was one of the earlier victims. By Tuesday the Physics department had opened fire and the shrapnel really began to fly. Soehngen, Goeddel, Hanss, and Richter were all struck in that vital spot, the grad point.

As the week wore on more of the troops were falling, and lines were being pulled back for regrouping. As we go to press, Gen. Fitzgibbon is frankly worried. "I should have stayed in the rear area," he was quoted as saying. Rally men! Don't leave Stegemeier out there alone.

Bolger McPug, the old boxer, looks about washed up this week since his little tussle with Bro. He's been complaining a lot about hearing bells, and sometimes he just stands and barks at the phone when it's not ringing. He'll be all right in a little while, though. Another nostril was just what he needed.

We would like to retract a statement printed in last week's article because of some bitterness it may have caused. The mistake was due to an error in judgement on the part of the writer and is deeply regretted. Ed Ferber is not a weeny. He's too big for a weeny.

The revolutionary process known technically as electrocarbonization of coal and which had its beginning right here in Rolla on the School of Mines campus, was explained in detail to the members of Congress and to millions of persons throughout the United States recently when an address, presented at a recent New York meeting by a well-known expert in the field, was inserted into the Congressional Record.

The address was made recently at a meeting of the AIMME, at which a number of MSM faculty members were present. It was made by Dr. Milton H. Fies, Birmingham, Ala. It was placed before the Congress by Rep. Carl Elliott of Alabama.

And mentioned prominently throughout the address is the name of Dr. J. D. Forrester, Chairman of the Mining Engineering Department of the School of Mines, who has been the guiding director of the research. The research may revolutionize the entire power and heating facilities of the world.

"A Review of Experiments Throughout the World in the Underground Gasification of Coal - Part I"

EXTENSION OF REMARKS of HON. CARL ELLIOTT of Alabama

Tuesday, March 4, 1952  
Mr. Elliott. Under leave to extend my remarks in the RECORD, I include part I of an address by Dr. Milton H. Fies, Birmingham, Ala., entitled "A Review of the Experiments Throughout the World in the Underground Gasification of Coal," delivered by Dr. Fies at the annual meeting of the American Institute of Mining and Metallurgical Engineers, New York City, in February this year.

Dr. Fies is one of the world's outstanding scientists in the field of underground coal gasification. I commend his address to the Congress:

A Review of the Experiments Throughout the World in the Underground Gasification of Coal—By Milton H. Fies, manager coal operations, Alabama Power Co.; consulting mining engineer, the Southern Co.; consulting mining engineer, Office of Synthetic Liquid Fuels, U. S. Bureau of Mines.

The recovery of the energy, which is inherent in coal beds throughout the world, has been obtained through the years by methods which today may be justly regarded as primitive. While the techniques of coal mining through the application of machines and the enhancement of information and skills have advanced to an extraordinary extent, particularly during the past 20 years, nevertheless the underlying means is essentially the same as when man first began to mine coal. Despite this progress in the manner of coal mining, it continues today as a hazardous, toilsome, grimy task. I do not wish to be misunderstood concerning the foregoing statement. It is my opinion that coal mining per se has advanced at a greater and more rapid stride in the past 25 years than the mining of any other mineral, but the basic method is fundamentally the same as it was the first day a miner took a pick into his hands many centuries ago.

This situation presents a challenge to mining engineers everywhere, from which only the weak, short-sighted, and selfish falter and cringe. The progress of mankind is due in the main to the fact that some men through the ages did not become timid because a task appeared difficult.

In addition to the humanitarian aspects of the problem, there are many others which demand

## Snake Lumberjacks to Give the Axe to Two Historic Cedar Trees

The official beginning of spring finds the Sigma Nu's in varied states of activity. Bob Farris and Charlie Gockel for example find lounging in front of the fireplace a pleasant, if not to industrious, way to pass the time of day. The "party boys," Bob Vienhage, Jake Kadnar, Jim Toutz and Bob Robbins journeyed to St. Louis Town last weekend to squander their few "rasbuck-nicks" remaining after St. Pat's on women and hooch. Marty Johnson was planning to leave for Columbia to see a "certain party," but when he found out how much work needed to be done at the Saturday cleanup, he volunteered to stay and work. Thank's Marty.

The foremost thing in the mind of Carlos Giddens is the removal of two weary cedar trees which he describes as "drooping at the north side of the house." Bill Gregoire acknowledges that they have had a hard winter, but feeling kindly disposed toward them holds that they should be allowed to stay.

Aside from the athletes, who are busy training for softball, volleyball and horseshoes, it might be said that that old adage, commonly known in these parts as spring fever, has started its wedge.

## True Love Wins Again Triangle Loses Pin

That time of the year seems to have arrived again, namely mid-semester week, and everyone will be most happy when today finishes another of those rugged times. Looks as though the boys at the Knowledge Factory could arrange those quizzes so that they wouldn't all fall in the same week. Most of them have been giving out with the same line so long that it's probably too rough to change now.

It has been said that there are lots of "true loves" but very few loves that are true. Jerry Metcalf is one of the fortunate. Last Monday evening cigars were passed around by Brother Jerry as a token of this momentous occasion. Miss Diane Miller of St. Louis was the recipient of a coveted Triangle badge. Congratulations!

There have been several rather mysterious happenings around the Old Rock House. The first was the case of the disappearing lighter that at long last returned to Lon Hook (minus fluid). The second was the package of records that arrived several days ago. Certain females must think that Rolla is so deeply embedded in the Ozarks that the latest of the hit tunes don't reach eager Miner ears. Maybe if KTeeter were a little more on the ball...

The volleyball team is off to a good start. In the first game of the season, the Rock House Six whitewashed Gamma Delta 11-0. The boys had a little more trouble in the second game but managed to come out on top by 21-18. So far, so good.

We were most fortunate in having a delegation from the Mothers Club with us last Wednesday. The Mesdames Allen, Geyer, Metcalf and Ruch were here for lunch and to discuss several proposed house improvements.

As a closing thought, let all be warned against associating with Ed Beckemeyer. The special lectures program last Friday seems to have gone to his head.

ATTENTION:  
Come one, come all. Free pool all day Saturday, March 29th, at the Pla-Mor Pool Hall. Opens at 9:00 a.m. Located at 1107 Pine St.

## GE SCHOLARSHIPS TO BREED MORE ENGINEERS

SCHENECTADY, N. Y., Mar. 27 - More than \$370,000 in scholarships, fellowships, and grants will be offered by the General Electric Company for the 1952-53 school year under an expanded and revised educational assistance program announced today by Ralph J. Cordner, G-E president.

Total amount of the educational awards, excluding loans will be approximately 60 per cent, or \$145,000, greater than that of the current program, while the number of awards will be increased from 138 to approximately 285.

Decision to expand the company's educational assistance program, according to Mr. Cordner, stemmed principally from a two-year company survey emphasizing the vital necessity for stimulating interest in technical training among students and for assisting educational institutions.

The new plan is expected to play a part in helping to counteract the diminishing ranks of engineering graduates, Mr. Cordner said.

The expanded program in general comprises assistance to students in undergraduate studies and in post-graduate research work, grants to colleges through direct payments or help in purchases of equipment for laboratory and instructional purposes, and summer courses for high school science and mathematics teachers.

Salient points under the program include:

1. Twenty new post-graduate fellowships in chemistry, physics, and metallurgy, valued from \$1,400 to \$2,100, plus grants of \$1,200 per student to institutions where the recipients study.

2. Fifteen post-graduate fellowships from the company's Educational Fund raised in value from a former maximum of \$1,500 to a new range of \$1,400 to \$2,100, plus an added stipend of \$1,200 per student to the colleges where the recipients study.

3. Seventy scholarships available for G-E employees and their children for undergraduate work, each valued up to \$500. Formerly 23 scholarships were available in varying lesser amounts.

4. Thrifty new scholarships of \$500 each to outstanding third year college students to be used during their fourth year.

5. Continuance of the \$150,000 equipment fund available to institutions of higher learning.

6. The General Electric Science Fellowships for high school science teachers at Case Institute of Technology and Union College to be continued, plus a new, similar program for high school mathematics teachers at Rensselaer Polytechnic Institute.

According to the G-E president, the new fellowships for post-graduate work in chemistry, physics, and metallurgy will be given for research at designated universities and institutes. The value of each grant is \$1,400 for an unmarried Fellowship holder and \$2,100 for a married recipient. A grant of \$1,200 will be awarded the school where the

## MOSAMO TO HAVE CHILI SUPPER FOR MEMBERS ON SUNDAY, MARCH 30

The next regular meeting of MOSAMO, the Esperanto Club of MSM, will be held at 404 Elm Street, 5:30 p.m., Sunday, March 30. A chili supper is to be given for all those who are prospective members, either associate or voting members. Anyone who is interested in attending this meeting will please contact T. A. Sevik, President of MOSAMO, phone 1198, or J. M. Brewer, Advisor, phone 1531, before noon Saturday.

Items of business to be considered for the remaining school year include (1) radio program, (2) annual exhibit, (3) letters to foreign samideanoj, (3) uses of esperanto by U. S. Army, (5) election of Vice President, Deligito, and Estrarano.

Studu gramatikon, alfabeton, kaj paroladon. Alportu viajn gazetojn kun vi.

fellowship recipient studies.

Of the 20 new fellowships offered, 12 will be for work in chemistry. The schools where these fellowships will be granted are: Massachusetts Institute of Technology, University of California, Yale University, California Institute of Technology, Cornell University, Harvard University of Illinois, University of Minnesota, Ohio State University, Princeton University, University of Wisconsin, and the University of Chicago.

Four of the new fellowships, offered in physics, will be used at the California Institute of Technology, Cornell University, Harvard University and the University of Illinois.

The remaining four in metallurgy will be awarded for study at Massachusetts Institute of Technology, Carnegie Institute of Technology, Columbia University, and the University of California.

The long-established Charles A. Coffin and Gerard Swope fellowships for research study, available under the company's \$1,000,000 Educational Fund, will be continued, Mr. Cordner said, although an added grant of \$1,200 will be given the schools at which the fellowship winners study.

Under the Fund, approximately fifteen post-graduate fellowships will be awarded, valued from \$1,400 to \$2,100 each, for work in physical science, engineering, and industrial management. The fund was established in honor of the two former presidents of the General Electric Company.

Education assistance to G-E employees and their children has been increased so that 70 scholarships, valued at \$500 each, will be available, as against 23 scholarships at lesser amounts formerly available.

Included in this program are the Charles P. Steinmetz Memorial Scholarships, named for the eminent G-E scientist; the Richard H. Rite Memorial Scholarship, named for the former Lynn, Mass. Works manager; scholar-

(Continued on Page 2)

## Theta Mu, AIEE-IRE to Sponsor Sub-Station Tour

Theta Mu and AIEE-IRE - electrical engineering organizations - are sponsoring two activities which will explain and show the new Phelps Sub-station.

The explanation will consist of Mr. D. T. Mail, speaking on "Union Electric Company's Majors Power System and the Phelps part in it"; and Mr. E. K. Schively, who will talk on "What Makes Phelps Tick." "Phelps" in these two instances refers to the sub-station, so named by the Union Electric company. This meeting will be held Friday, March 28, at 7:30 p.m. in Parker Hall.

An open house permitting in-

terested persons to see the new Union Electric Sub-Station located northeast of Rolla will be held Saturday morning.

Technical men will be on hand at the sub-station to explain how the new plant works, and at the technical session the evening before.

Arrangements have been made to transport local persons to the new substation, beginning at 9 a.m. Saturday and for every half-hour until 11 a.m. The bus will leave from Norwood Hall on the MSM campus.

Coffee and doughnuts will be served at the Sub-station.



# THE MISSOURI MINER



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## EDITORIAL

The Executive Committee of the American Council on Education has adopted the recommendations of the special ACE committee of college presidents, under the chairmanship of President John A. Hannah, of Michigan State. The recommendations eliminate all football bowl games and spring practices, abolish outright athletic scholarships, limit basketball practice and game to a 3½-month period between Nov. 1 and March 15, limit baseball practice to 3½ months between Feb. 1 and the end of the school year, abolish use of freshmen on varsity teams, require all athletes to make regular progress toward a degree, and require all athletic funds to be handled by the university.

The president of the National Collegiate Athletic Association has indicated that the new plan will have no immediate effect on present policies of the NCAAA, which can be changed only by vote of its membership, which will not meet again until Jan. 1953. The ACE Committee is expecting that presidents and faculties of institutions will insist upon compliance with its proposals, but hopes that regional accrediting associations will be instrumental in obtaining enforcement.

## DEAR FOLKS...

Am now going to write you my second letter since the spring term began. School has really been rough, especially my history. The history teachers ask us ten questions on each test. Last week I only got one right.

Some of the students appear to be psychic. They know exactly what the teacher is going to ask. I asked one fellow with a gray beard, no hair, and no teeth, how long the teacher has been asking the same question.

"Son," he said, proudly fondling his Spanish-American War Medal, "You'll have to ask someone older than me."

"Maybe you G. I.'s know all the answers," I said.

"Everyone knows the answers," quoth he.

"Then it's really true that the teacher always uses the same set of answers?"

"Always the same," he said. "In fact, in this class you don't study history—you study the various means of securing the answers before hand. The one with best contacts and widest cuffs gets the better grades."

"And this is college," I said.

"This is college," he verified, and continued reading his comic book, which was a Super Human reprint.

"I'm flunking history," I said.

"Don't you have any ponies?"

"No," I said, "I walk this way naturally."

Then he explained that a pony is a card on which is stated the facts required for a test. With ponies you don't have to study.

Then he showed me a card on which was written the following: "There were exactly six hundred and seventy barrels of moonshine that went down the Sackinac River in the Whiskey Rebellion, along with thirteen keg-lined cans of Pabst Blue Ribbon Beer."

"Were there that many?" I asked, astounded. "Gad, history was made then and there."

"Profound," he said. "And read this."

I did. My eyebrows were leaped up in astonishment. It was the answer to question three. A startling, brutal thing. Aaron Burr shot Alexander Hamilton above the heart with a pistol at twenty paces at ten o'clock one morning under a hickory tree. Hickory tree was underlined.

"Remember that," he said.

"Hickory tree," I whistled, "God, that's important."

This is college," he said.

"This is college," I answered.

Then he handled me another card. I understand. Trembled. Staggered to the nearest cornerstone and sat down. For written on that card in green ink—and underlined twice with same — were these brutal words:

"On the night of January 17th, 1781, George Washington attended a ball given in his honor by Mrs. John Adams. The punch consisted of one part ale, two parts gin, and the juice of seven Spolkoovolkaberries. Spolkoovolkaberries was underlined thusly: Spolkoovolkaberries, and then circled nine times.

"Profound," I said.

"Profound," he reiterated, turning the page of his comic book, "This is college."

"A brutal reality," I said.

"And this," he said, tossing a galaxy of cards into my lap, "Shows that Mr. Monroe, of Doctrine fame, ate forty per cent Bran Flakes eight times every week, twice on Sunday."

"Gad," I said, "That's regularity."

"This is college," he said.

"This is college," I answered.

"Here, Son," the old fellow said, "Take these ponies to class with you. Round them up. Take them all."

"Ridiculous," he said, with a twinkle in his glass eye," everyone's doing it."

"That and the Hucklebuck," I ventured. Then I took his cards, all nine hundred and seventeen of them, and went to class.

I'll let you know the results of the history rodeo just as soon as I learn the results and as soon as I recuperate from all my saddle burns.

Your loving son,  
Palmroy

# G.E. SCHOLARSHIPS

(Continued from Page 1)

ships given under the General Electric Educational Fund; plus the new scholarships recently established by the company's Board of Directors.

Another new part of the company's education program is designed to assist 30 outstanding college juniors throughout the country during their senior year. These scholarships, amounting to \$500 each, will be awarded to college students, primarily in the engineering field. Several hundred well-known college professors, who have attended the G-E Summer Professors' Conference, held each year, will recommend students for these scholarships.

Mr. Cordner said the 25-year-old program of aiding colleges and universities in purchasing needed equipment for laboratories will be continued as before.

Under this portion of the program, funds amounting to \$150,000 yearly, supplement institutional money when this is not sufficient to buy laboratory equipment. During the last 10 years, the company has assisted more than 130 colleges and universities one or more times in enlarging and research purposes.

The General Electric Science Fellowships, open to high school science teachers for specialized summer sessions at Union College in Schenectady and the Case Institute of Technology in Cleveland, will also be continued during the 1952-53 school year.

The General Electric Company's educational loan program for employees and their children will continue as before.



— Rolla, Mo. —  
— Always First Run —

Thu., Fri., Sat., March 27-28-29  
Shows 7 and 9 p.m.  
Marlon Brando - Jean Peters - Anthony Quinn  
"VIVA ZAPATA"

Special Hollywood Preview  
Friday, March 28 — 11 p.m.  
Attend the regular performance of "VIVA ZAPATA" and see this preview free  
Susan Hayward - Rory Calhoun  
"WITH A SONG IN MY HEART"  
(The Jane Froman Story)

Sun. Mon. Tue. Mar. 30-31 Apr. 1  
Sun. Continuous from 1 p.m.  
James Stewart - Arthur Kennedy  
"BEND OF THE RIVER"  
Janet Leigh - Peter Lawford  
"JUST THIS ONCE"

LET'S GO TO  
The RITZ Rolla

## ALWAYS COMFORTABLE

Fri., Sat., March 28-29  
Sat. Continuous from 1 p.m.  
Admission 10 and 30c  
Clifton Webb in  
"MR. BELEVEDERE RINGS"

THE BELL  
Evelyn Keyes in  
"THE KILLER THAT STALKED NEW YORK"

Sun., Mon., Tue.,  
March 30-31 April 1  
Sun. Continuous from 1 p.m.  
Admission 10 and 40c  
Larry Parks - Elizabeth Taylor  
LOVE IS BETTER THAN EVER



— Rolla's Family Theatre —

Fri., Sat., March 28-29  
2 ACTION FEATURES 2  
Sat. Continuous from 1 p.m.  
Admission 10 and 25c  
John Ireland - Wayne Morris  
"THE BUSHWACKERS"  
Johnny Mack Brown in  
"BLAZING BULLETS"

Sun., Mon., Tue., Wed.,  
March 30-31 April 1-2  
4 BIG DAYS 4  
Admission 10 and 40c  
— First Run in Rolla —  
Vivien Leigh - Marlon Brando  
Kim Hunter  
"A STREETCAR NAMED DESIRE"

# Breezes From The Windjammer

We've got the steam up again so here goes another blast. A recent invention by one of the more intellectual (?) of the student body as a transit for underground surveying. This instrument was perfected at the "El Caney" laboratories by several eminent barflies. Among the many aids to surveying is hydraulic cylinder for raising or lowering the "height of instrument"; another is a vernier system that gives the angles in whole numbers to the half-second, these figures are viewed through a magnifier. This eliminates the use of a hand lens, eyestrain and profanity. The position of the cross-hairs has been changed to a position outside and in front of the eye-piece of the telescope. The cross-hairs are held in a ring about three inches diameter. There are many other gadgets, but those listed are the outstanding. However, the base of the support of this transit deserves mention. It consists solely of a "plumber's helper", and is guaranteed to hold anywhere.

The early morning hours seem to have a general bad effect on most students. It is the time of day when they are under the greatest strain of trying to appear alive. Here follows some poetry that applies readily to the "early morning" letdown: Every morning I say, "Can this be me?"

And every morning it is,  
Peering into the misty glass  
And wrapped in a towel what's his.

And while sleep still fills the corners  
Of my "morning after" eyes,  
I have to take my razor  
To scrape and not incise.  
With a fine toothed comb I disengage  
Each single hair from its mate

Trying to see if they're falling out  
At more than the "growing-in" rate.  
Then I apply to my teeth a bristly brush  
Filled with some awful goo  
And after it's all over  
I'm supposed to feel good. I don't. Do you?

Recent advertising item concerns a type of heating pad for the "frigid" girl. These can be obtained at the Little Jiffy Heating Pad Co., Hotrox, Missouri. Do not forget to patronize your advertisers.

With war so much in the news it is thought that some translations of journalistic phrases might enable the average man to better understand the true conditions of the conflict.

—planned withdrawal to strengthen positions; means, we're running.

—fleeing in confusion; means, they're running.

—rallying in thousands to their country's defense; means, American youth energetically ducking draft by joining Coast Guard.

—captured two major railroads in a lightning assaula; means, We took two towns.

—withdrew from two minor villages in order to . . . means, They took them back.

—courageous charge in face of bitter resistance; means, We're advancing.

—suicide attack by crazed enemy fanatics; means, They're advancing.

And that's all for this issue, the steam pressure is getting low.

Three student nurses were very late in getting back to the hospital one night. As they were slipping in, they met three internes coming out. "Shh," they said, "we've been out after hours." "Shh," replied the internes, "we're going out after ours."

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## Miner Cindermen Place 3rd at M.I.A.A. Indoor Meet

### Jack Humphrey Tallies Eleven Points to Snare Individual Honors

Springfield Noses Out Mules in Final Event  
By Dan Groteke

The Miner thincleds proved themselves to be fair competition in the future MIAA track meets as they swept into third place at the indoor track meet in Columbia last weekend. The MSM team had a grand total of 30 points at the end of the track and field events which was a lot better than the majority of the pre-meet forecasts had predicted.

A large share of the team's victory was due to the stellar efforts of Jack Humphrey, a junior transfer student. Jack piled up 11 points for the Miners, which were enough to make him high-point man at the meet, as he took a second in the high hurdles, a third in the broad jump, and another second in the low hurdles.

The lack of first places was all that prevented the thincleds from finishing higher in the meet as Fred Smith took a second in the 440 yd. sprint and a fourth in the 60 yd. dash. Bert Smith came in second in the 880, the mile relay team took a second place, and Eckerle finished fifth in pole vaulting.

Warrensburg was particularly disgusted with the Miner mile relay team when they finished behind the Miners. Going into the last event, the relay, the Mules were leading in total points and needed only a second place to make sure of the victory. The Miners however, weren't to be denied as they finished several steps ahead of the Mule's anchor man. This loss gave the Springfield team their second straight win in the indoor.

The prospects for the coming season are looking up as the Miners showed lots of spirit and promise in the indoor last Saturday. Coach Bullman has a fine group of new men to work with and the future holds much in store for the Miner Track Squad.

#### FINAL RESULTS

Mile — Time: 4:47.3 — 1. Clark S. 2. Miner K. 3. Raux C. 4. Phillips S. 5. Pearl C.  
60 yd. — Time: 6.6 — 1. Carter W. 2. Harglin C. 3. Tobin M. 4. Smith, F. R. 5. Brown S.

440 yd. — Time: 5:53.5 — 1. Atkins S. 2. Smith, F. R. 3. Helvey S. 4. Koprivier C. 5. Fortner K.  
H.H. — Time: 7.8 — 1. Rubin W. 2. Humphrey R. 3. Cundiff W. 4. Coulter M. 5. Huffman R.

Two Mile — Time: 10:46.6 — 1. Price S. 2. Clark S. 3. Phillips S. 4. Milten K. 5. Dickhaus C.  
880 — Time: 2:09.0 — 1. Cook S. 2. Smith, B. R. 3. tie Richerson W. and Price S. 5. Yeager K.

L.H. — Time: 7.4 — 1. Rubin W. 2. Humphrey R. 3. Huffman R. 4. Cundiff W. 5. Coulter M.

Mile Relay — Time: 3:41.9 — 1. Springfield — Helvey, Ward, Cook Atkins; 2. Rolla — 3:45.1 — Cole, P. Wetzell, B. Smith, F. Smith.

3 Smith; 3. Warrensburg — 3:46.9; 4. Cape — 3:50.5; 5. Maryville — 3:53.4.

Pole Vault — Dist. 11' 9 1/4" — 1. Titus W. Livasy W. (tie), 3. North S. 4. Britton S. 5. Eckerle — 10' 4" R.

High Jump — Dist. 6' 1 1/4" — 1. Brown W. 2. Sharp M. Lawrence K. (tie), 4. Hafner K. 5. Mahaffey W. Mall S. (tie).

Shot — Dist. 41' 5 1/4" — 1. Davis C. 2. Cornell W. 3. Mitchell W. 4. Leffingwell M. 5. Burkart K.

Broad Jump — Dist. 21' 5" — 1. Helvey S. 2. McCrary W. 3. Humphrey R. 4. Bierk C. 5. Maynard S.

FINAL SCORES  
Springfield ..... 52  
Warrensburg ..... 51  
Rolla ..... 30  
Cape ..... 20  
Kirkville ..... 14 1/2  
Maryville ..... 12 1/2

### Charlie Brown Says:

With Schroeder playing the 88's and my girl friends disgusted with me, I'll try to write something interesting to you so-called students. Who knows, inspiration may lead me to a vocation in this newspaper racket.

This week volleyball started with a bang, bang that is, with that ten ton ball they're using this year. Rumor has it that the hospital had a broken hand case after Monday's play. The athletic department will be surprised with a compliment for a change, but yours truly thinks it was a good idea to play the V.B. tourneyfast, so as not to interfere with the coming three sports.

One thing to note, however, is that the seatings are the same as usual, Sigma Nu on one side and TKP on the other. It seems to me the Kappa Sigs are getting a bum deal here, because they are being shuttled back and forth between these two, who are usually powerful in all sports. My question of the week is "Why aren't the Sig Nu's and the Theta Kaps put together in the same bracket once?" Not even in corkball, where no points are to be gained, is this being done. This seems to show partiality as far as this writer is concerned.

### Do We Have a Rifle Team?

By S.F.C. Robert C. Dunn

During the recent weeks I have stopped people on the campus, on the "main drag" of Rolla, and spoke to these people, and members of fraternities, somewhat proudly of the accomplishments of the "Miners" Rifle Club. I was continually amazed at the fact that relatively few people knew of the club, and further, that the club has been engaged in "big time" competition.

Our records show that during the organizational period last fall, we had 32 men try-out for one of the three rifle teams which comprise the club. Of these men 7 were members of the previous year's team, two had fired with other teams, and the remainder were what is termed tyros. We established Tuesday, Thursday, Friday nights, and Saturday mornings, as practice periods. By mid-term, our squad had decreased to 18 members. Whether this was due to academic studies, feminine interests, or frat parties, we do not know, but the decrease was very disappointing.

I and the club members feel that perhaps many individuals left the club, or failed to try-out for the teams, because of the belief that they "can't shoot." This is an erroneous belief. For example, we place a very low qualification score on beginners — a score of 250 points out of 400. Older team members and I spend the first two weeks of firing periods coaching the tyros on positions, trigger squeeze, and sighting. One of the tyros of last fall — Carl R. Bieling — shot a qualification score of 253. As of this date he is shooting a consistent 356. Tyro Lee Frink began at 225. Now shoots 318. Tyro Tom Lane began at 288, and now shoots 344. Though the calibre of coaching has not been the best, these tyros should prove that with steady, consistent practice, one can become, at least, a consistent sharpshooter.

We of the club believe, as does Colonel Townsend Whelen, USA,

Getting away from intramural sports, the Miners were pleasantly surprised last week with a third in the MIAA indoor track meet. The Miners owned the top point-getter in Jack Humphrey and this shows that we aren't lacking as much as we thought we were. I'll bet there could be more "Jack Humphreys" if some of the students would get off their dead — and try out. It's too bad that the school spirit and the intramural program makes the varsity sports suffer as they do.

With softball starting next week, and the teams getting into shape, it appears that a good season is in store for intramural followers. Of course, the team everyone will be gunning for is the TKP entry, which has walked off with the trophy the past two years. If the softball teams were to group together there probably is just one favor they'd ask, "When are those football goal posts coming down, and the field half-way smoothed off?"

The hand is getting more tired than the brain, so I'll sign off for now, and maybe Schroeder or my girls will come back to me. So long from Charlie Brown.

### Restrictions Placed On Varsity Activity By New Athletic Code

By J. Bruskotter  
On December 2, 1950 a Missouri Intercollegiate Athletic Code Committee, consisting of one representative from each of the schools in the M.I.A.A., was appointed. This action was the initial step toward standardization of athletic policies for the conference.

Subsequent meetings enabled the representatives to unify several schools of thought on issues that were previously highly controversial. The code, which was just recently released for publication, reveals definite restrictions on basketball and football as stated below.

The Miner Staff presents this excerpt for your inspection in the hope that you will not be dismayed by the seemingly lazy attitude that our athletes are to display in the future.

#### Football

a. Organized or planned practice under the direction of coaches or assistants shall not begin before the Monday previous to the week in which school opens in an institution, and no games shall be played before Friday of the third week of practice. This rule is to take effect in 1952.

b. Spring football practice is not permitted.

c. Two practices per day of one and one-half hours' length (actual time on field) or one practice per day not to exceed two and one-half hours' length is authorized for the period prior to the opening of classes.

d. One practice per day of two hours in length (actual time on field) is authorized after classes get under way.

e. Varsity football games are limited to nine per season. This number is to include provision for any post-season games.

f. Freshmen or "B" squad games are limited to four per season.

#### Basketball

a. Organized or planned practice under direction of coaches or assistants is not to start until October 15.

b. Freshmen are not to report for organized practice until October 15.

c. Spring practice (after close of regular season) is not permitted.

d. One practice daily of two hours' length (actual time on court) is authorized for the period beginning October 15.

e. One practice daily of two hours' length (actual time on court) is authorized for the season beginning December 1.

f. No games or practice games

### INTRAMURAL Sports

By Paul Mabie

The tennis nets have been put up, horse shoe pits dug up, and the diamonds made ready for softball which will start next Monday afternoon.

Intramural volleyball has gotten underway with the Sigma Nu team opening the season by defeating the Wesley team in two straight games. Sigma Nu has a tall team and it looks like they will be one of the top contenders in volleyball this season.

Orrich and McCullah were a great help to the Tekes, who defeated the Independents in two well played games. Triangle topped Gamma Delta with a shut out in the first game and by a score of 21 to 13 and 21 to 5. Bruskotter led the Theta Kap team to their victory over Alpha Epsilon Pi in two games by the scores of 21 to 9 and 21 to 14. And Kappa Sigma, who looks like a good prospect for the title with lots of team spirit, defeated the men from the Dorm in two out of three games. Lambda Chi also followed suit by defeating the Engineers Club in two out of three games.

or scrimmages with organized teams outside the college are to be played before December or after March 1 (NAIB Post-season Tournament excepted).

g. Varsity basketball schedules are to be limited to eighteen regular games and one tournament of four or more teams. If no tournament is played, two regular games may be added to the schedule. Participation in NAIB Tournament (post-season) is not limited by the above maximum.

h. Freshmen or "B" squad games are to be limited to a maximum of ten.

"I'll see you," said the C. E. hero as he laid down four aces in a game of strip poker.

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### Bloess and Faulkner Chosen Athletes of Year by M Club

By Tom Sevik

#### BOB FAULKNER

The "M" Club Award, The Athlete of the month, for the month of January went to Bob Faulkner, the spark plug of the M.S.M. quintet. Bob completed his fourth year of caging for the Miners with a record that he may



well be proud of. His outstanding performance for the 1951-52 season awarded him third place in the final MIAA basketball scoring statistics with an average of 14.20 points per game. In actual points scored, Bob ranked second in the conference. We will truly lose an outstanding athlete and a fine fellow when Bob graduates this semester.

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#### GEORGE BLOESS

For the month of February the "M" Club Award, The Athlete of the Month, went to record breaking Juergen "George" Bloess. Bloess was the high point man on the varsity swimming team for this season. At the M.S.M. tank he holds the records for the 120 yd. individual medley with 120.4 sec. and also the varsity back stroke with 229.2 sec. At Washington University, Bloess set the record for the 150 yd. individual medley with 145.3 sec. He is undoubtedly one of the best swimmers the Miners have ever had. Even though he is busy breaking records as fast as he makes them he has found time to study and is a member of Tau Beta Pi. George is also graduating this semester and we wish him further success in the field of chemistry.

### Rifle Squad Takes 4th at Regional Meet

By John Schemel

Walter Irvin of the MSM rifle squad took second place behind Atkins of Oklahoma A and M in the regional match of the National Intercollegiate rifle matches. Walt fired a 281 x 300 only two points out of the top spot.

Oklahoma A and M won the team match with a score of 1382. The Miners finished fourth with a 1354. High man for the Miners in the team match was Vernon Potter with a 279, followed by John Schemel with a 276. Richard Holland, Jerry Custead and Walt Irvin made up the remainder of the team. Ray Williamson shot in the individual match and coached the men in the team match.

The Miners placed a man in every meet attended this year and with four of the five top men back next year should continue and improve this record.

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## ELECTROCARBONIZATION PROCESS

(Continued from Page 1)

id technological development. There are problems of fuel conservation, particularly the exploitation of inferior seams which may not be suitable for mining by conventional methods. There is also the need for reducing the cost and improving the convenience of delivery energy. This is fundamental for the reason that man's material progress can be measured in terms of the amount of fuel he consumes.

The world demand for ever-increasing supplies of oil and of chemicals which may be derived therefrom introduces special problems which are so complex and are subject to so many differences of expert opinion that I would not attempt to crystallize them here. I wish, however, to make four observations which I believe are generally acknowledged:

1. The world's proven reserves of coal are so enormously greater than those of petroleum that there can be little doubt that, even allowing for probable future discoveries of oil, coal will be available long after natural oil is exhausted.

2. The reserves of undiscovered oil are much greater outside the United States and the western European countries than within their borders.

3. Many countries, including some of the greatest in Europe and Asia, have substantial reserves of coal but relatively little or no proven reserves of petroleum or natural gas.

4. Many scientists believe that the underground gasification of coal may eventually be a means of producing a low-cost synthesis gas for the synthesis of hydrocarbons. This will reduce the cost due to the fact that when coal is converted into liquid hydrocarbons, the cost of the gas is the major item of expenditure.

It is therefore my conviction that economic underground gasification techniques may play a major part in helping to solve some of the problems of the world's oil supply as well as providing the other benefits which heretofore have been mentioned.

In the present review I am starting with the year 1947 because, apart from the early Russian experiments which have been well reviewed in previous papers, this year saw the first field-scale trial of which published details are available. This trial, made at Gorgas, Ala., has been followed by continuous programs of research in this country, and by other in Belgium, Britain, France (French Morocco) and Italy. Each group of investigators has proceeded along lines dictated by its own interests, and so the subject has been studied from a wide viewpoint. Each has had as its object, the determination of the technical economic feasibility of the process of gasifying coal in place. Collaboration has been maintained between the teams during the course of the work, and much useful information has been exchanged.

Prior to this meeting, representatives of each of these countries have met for the first time in the United States to discuss the work in greater detail and to plan future course of action. I am privileged to mark this historic occasion by presenting this brief account of some aspects of these very extensive experiments, together with some personal conclusions and opinions.

## 2. Historical

Experimentation in the underground gasification of coal started in Russia in about 1932 and continued in that country until the outbreak of war. This phase of the work appears to have achieved success, and several industrial installations were planned or installed to operate along the lines which had been developed. There is some evidence that since the war the Russian work has been continued, but specific information is scarce.

Although the outside world had little or no direct contact with these original experiments, the published results attracted considerable attention, and the need for first-hand information soon began to be recognized. In 1944 active interest in Belgium led to the formation of a Cooperative Society (Socogaz) subsidized by the Belgian Government to investigate the subject. Arrangements for experimental work were also going ahead in the United States of America and the year 1947 saw not only the first of the joint experiments by the Bureau of Mines and the Alabama Power Co. at Gorgas, but also two experiments organized by Socogaz and

undertaken in the brown coal deposits at Valdarno and Terni in Italy. The following year Socogaz made an experiment at the Belgian mine of Bois-la-Dame near Liege.

The possible application of underground gasification in French mines was studied in 1947, and in the following year the "Charbonnages de France" entered into an agreement with Socogaz whereby the experiments at Bois-la-Dame were made jointly. A similar agreement was subsequently drawn up by an organization representing coal mining interest in Poland. The supervision of the experiments was entrusted to a tri-partite committee, the executive side to Socogaz, and under these conditions a further experiment was made in Belgium between November 1949 and September 1950.

At Djerada in French Morocco a first experiment in 1949, which was interrupted prematurely, was followed by a second under the auspices of the Charbonnages de France which lasted for above 5 months during late 1950 and early 1951.

In Britain a committee appointed shortly after the war by the Ministry of Fuel and Power recommended the undertaking of experimental work. There followed a period during which necessary surveys and studies were made, and by the latter part of 1949, experiments were started near Chesterfield in Derbyshire. The scope of the work is now being increased, and preparation for additional experiments on a second site near Baynton in Worcestershire are nearing completion.



Unbalanced line to the left

Wildlife student (to beautiful Town Club girl): "May I take you home?"  
Girl: "Sure. Where do you live?"

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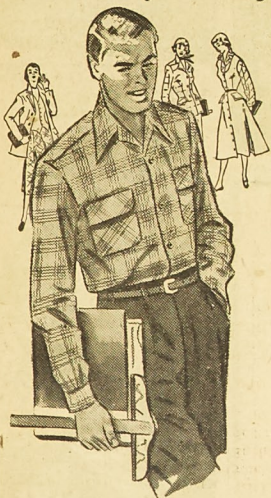
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